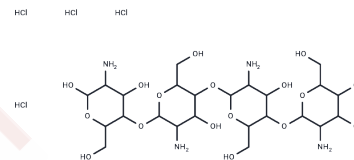


Chitotetraose tetrahydrochloride

Chemical Properties

CAS No. : 117399-50-5
 Formula: C₂₄H₅₀Cl₄N₄O₁₇
 Molecular Weight: 808.48
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Chitotetraose tetrahydrochloride is a short-chain chitin oligomer derived from arbuscular mycorrhizal (AM) fungi. This compound effectively activates the conserved symbiosis signaling pathway (CSSP) in actinorhizal plant species.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2369 mL	6.1844 mL	12.3689 mL
5 mM	0.2474 mL	1.2369 mL	2.4738 mL
10 mM	0.1237 mL	0.6184 mL	1.2369 mL
50 mM	0.0247 mL	0.1237 mL	0.2474 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mireille Chabaud, et al. Chitotetraose activates the fungal-dependent endosymbiotic signaling pathway in actinorhizal plant species. PLoS One. 2019 Oct 10;14(10):e0223149.

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